

VOICE SYNTHESIZER

Device Features	KS5912XX	KS5914XX	†KS5916	KS5917	KS5915
Function	Voice synthesizer		Voice synthesizer	Voice Recorder and Reproducer	
Operating Voltage	5V	2.7V~5.5V	5V	5V	5V
Oscillation Frequency	640KHz (R.C. osc)	640KHz (R.C, X-tal, Resonator)	640KHz (X-tal osc.)	640KHz (R.C. osc)	640KHz (X-tal, Resonator)
Sampling Frequency	8,16,32KHz	11, 16, 22 32KHz	11, 16, 22 32KHz	8, 11, 16, 32KHz	11, 16, 22 32KHz
Bit Rate	8,16,32Kbps	11, 16, 22 32Kbps	11, 16, 22 32Kbps	8, 11, 16, 32Kbps	11, 16, 22 32Kbps
Control Mode	· CPU/Manual · Repeat Mode	· CPU/Manual · Repeat Mode	· CPU/Manual	· CPU/Manual	· CPU/Manual
Data Memory	Internal ROM 64K bits	Internal ROM 256K bits	External ROM 32M bits	External DRAM 64K or 256K	External DRAM 256K or 1M
Speech Time	Mzx: 8 sec	Mzx: 24 sec	Mzx: 50.8 min	Mzx: 2 min	Mzx: 8 min
D/A Converter	10 bit DAC	10 bit DAC	10 bit DAC	10 bit DAC	10 bit DAC
PKG	16 DIP	20 DIP	60 QFP	48 QFP	60 QFP
Application	· Home Automation · Toy · Automobile · Advertising Board · Voice Clock		· Home Automation · Office Automobile · Voice Clock	· Message Phone · Answering Machine	· HA/FA System · Toy etc.

† New Product